



TECHNICAL SPECIFICATIONS

SUPPLY, DELIVERY, AND INSTALLATION OF VARIOUS ICT EQUIPMENT

I. RATIONALE/PURPOSE/OBJECTIVE

The acquisition of ICT goods under this procurement will establish high-end technology devices which will provide a good quality media output. This will also ensure the BAFE ICT infrastructure continuous upgrades. With this the Bureau of Agricultural and Fisheries Engineering (BAFE) intends to procure the following:

- **DESKTOP (HIGH-END).** To Provide pieces of which will be used by the technical personnel of PKMDD for the development of engineering applications and software projects that need higher system requirements specifications for Programming.
- **WIRELESS ALL-IN-ONE PRINTER.** Print copies of documents for the filling system and physical database specifically for the original copies of permits and certificates issued and for communication letters and other documents generated.
- **ID PRINTER.** To facilitate the printing of Identification Cards for the BAFE personnel.
- **VIDEO CONFERENCE** is used for all your interactive discussion needs. Each microphone unit includes an on/off button and a built-in loudspeaker. They eliminate the problems of noise and feedback that exist with conventional microphones. These are often referred to as "Push to Talk" microphones.
- **DSLR CAMERA.** Can be used to record information and capture actual events in the form of Images and videos. This media will be used as the basis for reporting and documentation of every BAFE event.
- **DOCUMENTATION DEVICE.** A portable handy tool for giving presentations. To facilitate faster connectivity anywhere and for Documentation purposes.
- **IP PHONE.** To facilitate faster communication to all divisions thru a network.

II. APPROVED BUDGET FOR THE CONTRACT (ABC)

The ABC for the Supply, Delivery, and Installation of Various ICT Equipment is **Eight Hundred Thirty-Nine Thousand Six Hundred Twenty-Nine Pesos Only (Php 839,629.00)** inclusive of all applicable government taxes and charges, professional fees, and all other costs.

III. PROJECT/DELIVERY SITE

- The project shall cover the Supply, Delivery, and Installation of Various ICT Equipment.
- All items shall be supplied and delivered at **BAFE, Sugar Center, Annex II Building Extension, North Avenue, Diliman, Quezon City.**

IV. PRODUCTION AND/OR DELIVERY SCHEDULE

Goods and services shall be delivered within **Ninety (90) calendar days** from the receipt/conformance of the Notice to Proceed (NTP).

V. ITEM SPECIFICATIONS AND COST ESTIMATES

ITEM No.	DESCRIPTION/ PARTICULARS	QTY	UNIT COST	TOTAL COST
1	<p>DESKTOP COMPUTER (HIGH-END)</p> <p>Processor: At least 11th generations, 10 Cores, comparable or better processor Max Turbo Frequency: At least 5.2 Ghz Cache: Up to 20MB</p> <p>Motherboard: Compatible to at least 11th Generation processors, comparable, or better processor</p> <p>Operating System: Latest compatible Operating System</p> <p>Memory: At least 16 GB RAM or better memory</p> <p>Graphics Processing Unit: At least 6GB RTX 3070 GDDR5, comparable, or better graphics card</p> <p>Power Supply: Compatible with 220 - 240 V and 60 Hz AC power input is applicable</p> <p>1st Storage (HDD): At least 1 TB</p> <p>2nd Storage (SSD): At least 256 GB</p> <p>Display: At least 23 inches full HD</p> <p>Accessories and Peripherals:</p> <ul style="list-style-type: none"> - AC Adapter and Power Cord; - Wireless mouse; - Keyboard; - With installed Wi-fi Adapter (at least 1300 Mbps Wi-fi Speed) to PCI-E slot - With installed latest proprietary office business productivity tools (proprietary and perpetual license) - System hardware specifications must be compatible with the following software: <ul style="list-style-type: none"> • PDF editor (Perpetual) • Office Productivity Tool (Perpetual) - With a Web Camera (at least 1080p) 	1	135,000.00	135,000.00

	<p>video capture resolution)</p> <ul style="list-style-type: none"> - Uninterrupted Power Supply <ul style="list-style-type: none"> ● Interface: 6x Universal Socket ● Short circuit, battery overcharge/ over-discharge, overload, surge protections ● Automatic charging in OFF mode ● Unattended safety shutdown: system alarm and auto Power-On ● 1000 VA ● 230 Volts ● Automatic Voltage Regulation (AVR) ● At least 1-year Warranty - With user manual 			
2	<p>WIRELESS ALL-IN-ONE PRINTER</p> <p>Functions: Print, Scan, Copy, Fax</p> <p>Print Speed: Up to 25 images per minute</p> <p>Paper Size:</p> <ul style="list-style-type: none"> - A3, Super B (13 x 19"), Legal, Letter, A4, 16K (195 x 270mm), 8K (270 x 390mm), Executive (7.25 x 10.5"), B4, B5, A5, B6, A6, 8.5 x 13", 5 x 7", 4 x 6", 8 x 10", Legal (8.5 x 14"), 16:9 wide, Envelopes: #10, DL, C6, C4 - Automatic duplex printing <p>Resolution: 4800 x 1200 dpi 10.9cm LCD touchscreen</p> <p>Flexible Connectivity: USB 2.0, Ethernet, Wi-Fi IEEE 802.11 b/g/n, Wi-Fi Direct, USB host</p> <p>Mobile device printing: Yes</p> <p>Inclusions:</p> <ul style="list-style-type: none"> - One (1) set of original inks - Quick Setup Guide and Basic User's Guide - AC Power Cord - Driver and Utilities (CD-ROM) <p>Miscellaneous:</p> <ul style="list-style-type: none"> ● At least 250 sheets of paper capacity ● At least compatible with Windows and Mac ● With at least two (2) standby maintenance box ● Wireless printing capable or better feature ● With at least 2 m USB 2.0 interface cable 	1	54,981.00	54,981.00

	<ul style="list-style-type: none"> At least compatible with 220-240 V and 60 Hz AC power input At least 1 year warranty With user manual 			
3	<p>ID PRINTER</p> <ul style="list-style-type: none"> Dye Sublimation (Direct-to-Card) or better Memory: At least 64MB, 8MB Flash Resolution: At least 300 dpi continuous tone Accepted ID Card size: At least 2.13x3.37 inch/53.98x5.66mm Compatible ID Card Type: PVC Compatible to the latest Operating System (Windows/Mac) Interface: USB 2.0, Ethernet, or better interfaces With bundled program/software for creating ID cards to print at least one (1) year warranty with user Manual <p><i>Inclusion: at least 400 pieces of blank PVC ID cards, consumables, and bundled software Standard Features.</i></p>	1	105,000.00	105,000.00
4	<p>VIDEO CONFERENCING CAMERA</p> <ul style="list-style-type: none"> High Definition 1080 Pixel at 30 FPS at least 1/2.8 inch high quality, 2.38MP (16:9) aspect ratio CMOS sensor Resolution: at least 20 megapixel Pan: 340° Tilt: 160° 25x Optical zoom USB HDMI SDI RJ45 Video Output Plug & Play USB Connectivity Crystal clear HD1080P and 1080i image quality 69.5° Wide field of view with no video distortion With Mounting : Yes 2D and 3D NR for best video quality in different lighting conditions at least 1-year warranty with User's Manual 	1	58,696.00	58,696.00
5	<p>DSLR CAMERA</p> <ul style="list-style-type: none"> At least 24.3MP FX-Format CMOS Sensor, Multi-CAM 3500FX II 51-Point AF Sensor At Least 4 Image Processor 	1	119,616.00	119,616.00

	<ul style="list-style-type: none"> ● 3.2" 1,229k-Dot RGBW Tilting LCD Monitor ● Full HD 1080p Video Recording at 60 fps, Continuous Shooting Up to 6.5 fps ● Native ISO 12800, Extended to ISO 51200 ● 91k-Pixel RGB Sensor and Group Area AF, Built-In Wi-Fi Connectivity ● Snap Bridge Bluetooth and Wi-Fi with NFC ● Time-Lapse Movie Recording ● With memory card slot ● with User's Manual ● at least 1 year warranty <p>Inclusion:</p> <ul style="list-style-type: none"> ● 1- Camera lens for at least 18-135mm ● 1- Rechargeable Lithium-Ion Battery compatible to the proposed product ● 1- Quick Charger compatible to the battery of the proposed product ● 1- At least 128GB memory card compatible to the proposed product ● 1- Camera Strap (Black) compatible to the proposed product ● 1- Tripod compatible to the proposed product ● 1- Camera Bag compatible to the proposed product 			
6	<p>DOCUMENTATION DEVICE</p> <ul style="list-style-type: none"> ● at least 10.9 Touch Screen Display ● Cellular: LTE, 4G ● At least a 4k UHD ● Processor: At least Octa Core 2.4ghz or higher ● Screen resolution: 2560 x 1600 pixel with 120 Gigahertz refresh rate ● At least 8GB RAM 256GB ROM; ● At least 8.0MP Front + 13.0MP Rear Dual Camera ● At Least Dual Band 2.4GHz / 5.0GHz Wi-Fi ● Body protection: At least IP53 designed or better ● Battery capacity: At least 7000 mAh or higher ● Sensors: at least Fingerprint Scanner, Gyro Compass, GPS, AR-Enabled, Accelerometer, proximity 	2	54,793.00	109,586.00

	<ul style="list-style-type: none"> ● GPS Capability: A-GPS and GPS ● Inclusion of Charger, Power adapter, and cable ● At least one year warranty ● User's Manual 			
6	IP PHONES <ul style="list-style-type: none"> ● Unit, power adapter, and licenses ● Multiple VoIP protocol Support, Integrated Ethernet Switch ● VoIP Compatible Platforms ● 3.7-Inch Graphical Display ● Speakerphone: Yes ● Line Features: Caller ID, Call Waiting, Call Forwarding, Call Transfer, Call Hold ● Programmable: Yes ● Plug and Play Ready ● Additional Function: Intercom, Call Timer, Music on hold, Hands-Free Profile ● at least 1-year warranty 	5	51,350.00	256,750.00
Grand Total: PhP 839,629.00				

VI. INSPECTION AND TESTS PROCEDURE

- Inspector and/or Supply Officer can reject any unit or part thereof that fails to pass any test and/or inspection or does not conform to specifications.
- Inspector and/or Supply Officer will issue an Inspection and Acceptance Report (IAR) upon determining that the delivered Various ICT Equipment (Printers, Scanner, and Document Camera) is usable and in good working condition.

VII. AFTER-SALES SERVICE OR PARTS

A. ORIENTATION/TRAINING REQUIREMENTS

- The Winning Bidder shall provide at least **one (1) day** of in-person/online training/technical updates on **ID printer, DSLR Camera, and IP phones**. This shall include orientation on the operation, repair, maintenance, and basic troubleshooting of devices.

B. WARRANTY REQUIREMENTS

- To secure requested brand-new pieces of equipment with service and hardware warranty for **at least One (1) year**.
- Bidder must be available for 8x5 technical support for the duration of the warranty/contract with an available response on the **next business day** from the date the end-user reported the issues.

VIII. PAYMENT TERMS AND CONDITIONS

One-time payment shall be made upon completion of all lots for the supply and delivery of Various ICT Equipment subject to submission of the following documents:

- a. Certificate of Warranty for all equipment;
- b. Certificate of Replacement for defective items/parts; and
- c. Sales Invoice/Delivery Receipt.

IX. MODE OF PROCUREMENT / AWARDING

The supply, delivery, and installation of various ICT equipment will be procured through public bidding. The awarding of this project shall be done by **LOT**.

X. ADDITIONAL TECHNICAL DOCUMENTS

All Bidders must submit the following documents:

- 1. Certification from the manufacturer that the bidder is an authorized reseller and/or distributor of the proposed products.
- 2. At least five (5) years active in the market and **at least one (1)** similar contract.

Prepared by:



JULIUS ABE S. PERALTA
Chief, Digital Technology Application Section
Permanent Procurement Coordinator, PKMDD

CONFORME:

[Signature of Authorized Representative]

[In the capacity of (Please indicate position of Authorized Representative)]

Duly authorized to sign Bid for and on behalf of _____
[Please indicate the name of company]

Item Description	Bidders Statement of Compliance
PROCESSOR -at least an octa-core, comparable, or better processor	
PROCESSOR CLOCK SPEED -at least 2.4 GHz, or better	
OPERATING SYSTEM -at least android 12, comparable, or better	
RAM -at least 6 GB or better internal memory	
DISPLAY -at least 6.6 inches or better display	
TOUCHSCREEN -at least capacity type or better touchscreen type	
SCREEN RESOLUTION -at least 1080 x 2408 (FHD+)	
STORAGE (INTERNAL) -at least 64 GB or better	
STORAGE (EXPANDABLE) -capable of at least 512 GB of external microSD or better	
REAR CAMERA CAPABILITY (Resolution-Multiple) -at least 50 MP with autofocus or a better rear camera	
FRONT CAMERA -at least 8 MP or better front camera	
VIDEO CAMERA -1080p @ 30 fps	
BODY PROTECTION -at least IP 53, with front glass or better body protection	
BATTERY -at least 5000 mAh or better capacity	
GPS -with GPS, GLONASS, BDS, Galileo	
SENSOR -with an accelerometer, gyro, compass	
ACCESSORIES -AC adapter -with a sim card slot -with the latest compatible and available connectivity (WIFI, WIFI DIRECT, Bluetooth, etc.) -with at least (1) one each of the ff: power and data transport and 3.5 mm audio combo jack port -with user manual	
WARRANTY -at least one (1) year from the final date of acceptance for parts and services.	

Prepared by:



ENGR. JEFFREY M. SEBASTIAN
Permanent Procurement Coordinator

CONFORME:

[Signature of Authorized Representative]

[In the capacity of (Please indicate position of Authorized Representative)]

Duly authorized to sign Bid for and on behalf of _____
[Please indicate the name of company]